

IDEAL CASEMENTS

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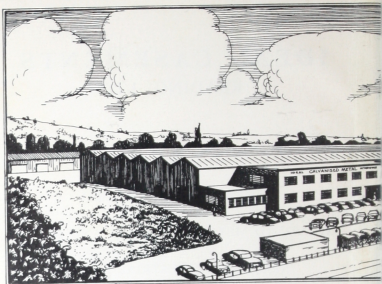
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IDEAL CASEMENTS
(READING) LTD

*

HOT DIPPED GALVANISED
STANDARD METAL CASEMENTS AND DOORS
STANDARD INDUSTRIAL SASHES
AGRICULTURAL TYPE WINDOWS
REVERSIBLE WINDOWS FOR MULTI-STOREY
BUILDINGS
PURPOSE MADE METAL WINDOWS FOR
SCHOOLS, HOSPITALS and PUBLIC BUILDINGS
MANUFACTURERS OF PRESSED STEEL PRODUCTS
WOOD SURROUNDS FOR METAL WINDOWS
HOT DIP GALVANISING SPECIALISTS

DECEMBER, 1962



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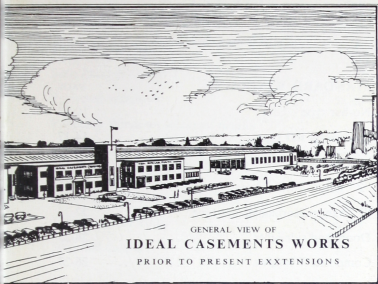
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also

- IDEAL CASEMENTS (E.A.) LIMITED
NAIROBI, KENYA, EAST AFRICA.

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PRESSED STEEL

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IDEAL

STANDARD WINDOWS

Ideal Hot Dipped Galvanised Standard Metal Windows are manufactured to British Standard Specification 990/1945 and are primarily intended for use in Domestic Buildings. The range of types available offers a wide choice to meet varying architectural designs.

All types of windows and doors can be coupled together by means of steel coupling members for each of which an additional $\frac{1}{8}$ " must be added to the aggregate of sizes in both height and width to arrive at the overall dimensions.

Standard metal windows to both the 1' 8" and the 'Z' modules can be provided in three normal types of panes, i.e., no bar types giving large panes, horizontal bar types or small pane types.

Construction of windows and doors is from hot rolled mild steel sections, produced by Messrs. Darlington & Simpson Rolling Mills Ltd. and are to the dimensions and weights laid down in the above quoted British Standard.

Corners of frames are mitred and welded and glazing bars tenon rivetted into the frames. In certain types of windows the tenon rivetting of glazing bars is impracticable and in these instances the glazing bars are welded in.

continued on page 9



ROUPEL PARK ESTATE, WANDSWORTH
Architect: Clifford Culpin, Esq., O.B.E., F.R.I.B.A., M.T.P.I.



FLATS PORTSWOOD ROAD—SOUTHAMPTON

F. L. Wooldridge, Esq., M.I.C.E., M.I.Mun.E., Borough Engineer and Surveyor, Southampton

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IDEAL STANDARD WINDOWS *continued*

Top Hung casements are hung on steel hinges and fitted with bronze pegstays.

Side Hung casements, opening outwards, are hung on projected hinges and fitted with a bronze two point handle and bronze pegstay.

Side Hung casements, opening inwards, are hung on steel non-projecting hinges and are fitted with a bronze single point handle and supplied with a galvanised cabin hook. Sliding Stays can be fitted at an extra cost.

Bottom Hung ventilators for Larder windows are hung on steel hinges and fitted with a bronze spring catch and concealed side arm. These windows can be supplied with flyscreens.

Standard Metal Windows and Doors are supplied **Hot Dip Galvanised** and etched to permit immediate painting.

If desired, we can supply windows in paint finish, utilising first quality red oxide paint.

The 'handing' of side hung casements and single leaf doors is taken viewed from the inside.

A recent addition to our range of Standard Windows is **Ideal Reversible windows** for use in multi-story buildings. The opening portion of this window is pivotted in such a manner as to permit it to be swung completely over to enable glass replacement, cleaning and general maintenance to be carried out from the inside of the building.

IDEAL

STANDARD LARGE PANE

11" 11 1/2" NG6	11" NGT6	1' 8" NG5	1' 8" NG1	1' 8" NGB1
1' 6" NH6	NH6F	NH5	NH1	NH5F
2' 0 1/2" NE6	NE6F	NE5	NE1 *	NE5F
3' 0 1/2" NC6	NC6F	NC5	NC1	NC5F
3' 6" NCO6	NCO6F	NCO5	NCO1	NCO5F
4' 0" ND6	ND6F	ND5	ND1	ND5F
4' 0" ND6/S	ND6F/S	ND5/S	ND1/S	ND5F/S
4' 11 1/2" NDV6	NDV6F	NDV5	NDV1/S	NDV5F

IDEAL

STANDARD LARGE PANE



NG2



NG8



NG7



NG4



NH2



NH8



NH7



NH4



NE2 ★



NE8



NE7 ★



NE4 ★



NC2



NC2F



NC7



NC4



NCO2



NCO2F



NCO7



NCO4



ND2



ND2F



ND7



ND4



ND2/S



ND2F/S



ND7/S



ND4/S



NDV2/S



NDV2F/S



NDV7/S



NDV4/S

★ Obtainable with side hung ventilators - e.g. NES1, NES2, Etc.

IDEAL

STANDARD LARGE PANE



NG3



NG10



NG9



NH3



NH10



NH9



NE3



NE10 *



NE9



NC4F



NC10



NC10F



NCO4F



NCO10



NCO10F



ND4F



ND10



ND10F



ND4F/S



ND10/S



ND10F/S



NDV4F/S



NDV10/S



NDV10F/S

IDEAL

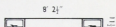
STANDARD LARGE PANE



NG11



NG11 FIXED



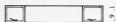
NG12



NH11



NH11 FIXED



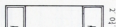
NH12



NE11



NES11



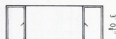
NE12 *



NC11



NC11F



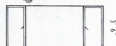
NC12



NCO11



NCO11F



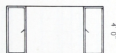
NCO12



ND11



ND11F



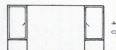
ND12



ND11/5



ND11F/5



ND12/5



NDV11/5



NDV11F/5














NDV12/5

* Obtainable with side hung ventilators - e.g. NES10, NES12, Etc




























IDEAL

STANDARD HORIZONTAL BAR TYPES

11"  G6	11"  GT6	1' 8"  NGS	1' 8"  NG1	1' 8"  NGB1
1' 8"  H6	 H6F	 NHS	 NH1	 NHSF
2' 0"  E6	 E6F	 HES	 HE1 ★	 HESF
3' 0"  C6	 C6F	 HCS	 HC1	 HCSF
3' 6"  CO6	 CO6F	 HCO5	 HCO1	 HCO5F
4' 0"  D6	 D6F	 HDS	 HD1	 HDSF
4' 0"  D6/S	 D6F/S	 HDS/S	 HD1/S	 HDSF/S
4' 11 1/2"  DVL	 DVL/F	 HDV5	 HDV1/S	 HDV5F

IDEAL

STANDARD HORIZONTAL BAR TYPES

			
NG2	NG8	NG7	NG4
			
NH2	NH8	NH7	NH4
			
HE2 *	HE8	HE7 *	HE4 *
			
HC2	HC2F	HC7	HC4
			
HCO2	HCO2F	HCO7	HCO4
			
HD2	HD2F	HD7	HD4
			
HD2/S	HD2F/S	HD7/S	HD4/S
			
HDV2/S	NDV2F/S	HDV7/S	HDV4/S

* Obtainable with side hung ventilators - e.g. HES1, HES2, Etc.

IDEAL

STANDARD HORIZONTAL BAR TYPES



IDEAL

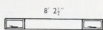
STANDARD HORIZONTAL BAR TYPES



NG11



NG11 FIXED



NG12

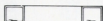
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NH11



NH11 FIXED



NH12

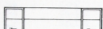
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HE11



HES11



HE12 *

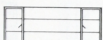
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HC11



HC11F



HC12

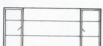
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HCO11



HCO11F



HCO12

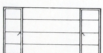
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HD11



HD11F



HD12

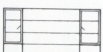
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HD11/S



HD11F/S



HD12/S

111



HDV11/S



HDV11F/S



HDV12/S

111

* Obtainable with side hung ventilators - e.g. HES10, HES12, Etc.

IDEAL

STANDARD SMALL PANE



IDEAL

STANDARD SMALL PANE



G2



G7



G3



G4



H2



H7



H3



H4



E2 *



E7 *



E3



E4 *



C2



C2F



C4



C4F



CO2



CO2F



CO4



CO4F



D2



D2F



D4



D4F



D2/S



D2F/S



D4/S



D4F/S



DV2/S



DV2F/S



DV4/S



DV4F/S

* Obtainable with side hung ventilators - e.g. ES1, ES2, Etc.

































IDEAL

STANDARD "Z" RANGE LARGE PANE



IDEAL

STANDARD "Z" RANGE LARGE PANE

				11 1/2"
ZNG7/1	ZNG13	ZNG3	ZNG4	
				1' 6"
ZNH7/1	ZNH13	ZNH3	ZNH4	
				2' 0 1/2"
ZNE7/1	ZNE13	ZNE3	ZNE4 *	
				3' 0 1/2"
ZNC2F	ZNC13	ZNC4	ZNC4F	
				3' 6"
ZNCO2F	ZNCO13	ZNCO4	ZNCO4F	
				4' 0"
ZND2F	ZND13	ZND4	ZND4F	
				4' 0"
ZND2F/5	ZND13/5	ZND4/5	ZND4F/5	
				4' 11 1/2"
ZNDV2F/5	ZNDV13	ZNDV4/5	ZNDV4F/5	

* Obtainable with side hung ventilators - e.g. ZNES1, ZNES2, Etc

IDEAL

STANDARD "Z" RANGE HORIZONTAL BAR TYPES

2' 0 1/2"	2' 0 1/2"	2' 0 1/2"	4' 0 1/2"	4' 0 1/2"
ZNG5	ZNG1	ZNGB1	ZNG2	ZNG7
1' 6"				
ZNH5	ZNH5F	ZNH1	ZNH2	ZNH7
2' 0 1/2"				
ZHE5	ZNESF	ZHE1 *	ZHE2 *	ZHE7 *
3' 0 1/2"				
ZHC5	ZHC5F	ZHC1	ZHC2	ZHC7
3' 6"				
ZHCOS	ZHCOSF	ZHCO1	ZHCO2	ZHCO7
4' 0"				
ZHD5	ZHD5F	ZHD1	ZHD2	ZHD7
4' 0"				
ZHD5/5	ZHD5F/5	ZHD1/5	ZHD2/5	ZHD7/5
4' 11 1/2"				
ZHDV5	ZHDV5F	ZHDV1/5	ZHDV2/5	ZHDV7/5

IDEAL

STANDARD "Z" RANGE HORIZONTAL BAR TYPES



ZNG7/1



ZNG13



ZNG3



ZNG4



ZNH7/1



ZNH13



ZNH3



ZNH4



ZHE7/1



ZHE13



ZHE3



ZHE4*



ZHC2F



ZHC13



ZHC4



ZHC4F



ZHC02F



ZHC013



ZHC04



ZHC04F



ZHD2F



ZHD13



ZHD4



ZHD4F



ZHD2F/S



ZHD13/S



ZHD4/S



ZHD4F/S



ZHDV2F/S



ZHDV13



ZHDV4/S



ZHDV4F/S

* Obtainable with side hung ventilators - e.g. ZHES1, ZHES2, Etc.

IDEAL

STANDARD DOORS, SIDELIGHTS & FANLIGHTS



NG15



NG8



NG25



NG15F



NG2



NG25F



NA15



NA2



NA25



HA15



HA2



HA25



A15



A2



A25

IDEAL

STANDARD DOORS, SIDELIGHTS & FANLIGHTS



IDEAL

EXAMPLES OF COMPOSITE WINDOWS INTERNAL ELEVATIONS



NH1
NCS



H2 R.H.
NC2 L.H.



NH3
NC4



H2 R.H. | H2 L.H.
NC2 L.H. | NC2 R.H.



NH5
ND1 L.H.



H8
ND8



NH4
ND4



HH7 | HH7
HD7 | HD7



NE1
ND1 L.H.



NE8
ND8



NE4
ND3



E2 R.H. | E2 R.H.
D2 L.H. | D2 L.H.



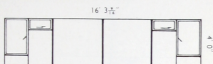
IDEAL

EXAMPLES OF COMPOSITE WINDOWS INTERNAL ELEVATIONS



ZND1 L.H. | ZND13

PLATE MULLION FOR
2" PLASTERED
PARTITION SEE P.93



ZND2F/S L.H. | ZND13 | ZND13 | ZND2F/S R.H.

ZNG1
ZND1 L.H. | ZNDV13

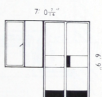
ZNG13 ZND7	ZNG7 ZND13	ZNG7 ZND13	ZNG13 ZND7
---------------	---------------	---------------	---------------



HA6 | HA15 | HA6



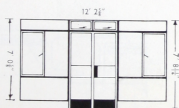
A5 | A2 | A5



ND2 L.H. | NA25



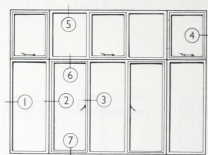
ZNG1 ZNA5	ZNG13 ZNA25	ZNG1 ZNA5
--------------	----------------	--------------



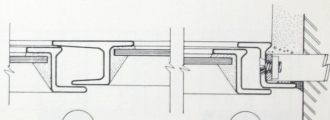
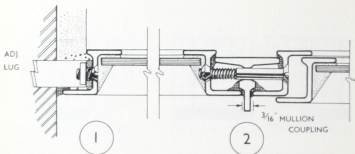
ZNG13 ZND2 ZNE13	ZNG7 ZNA25	ZNG13 ZND2 ZNE13
------------------------	---------------	------------------------

IDEAL

STANDARD WINDOWS, SECTION DETAILS HALF FULL SIZE

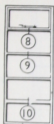


TYPICAL COMPOSITE WINDOW

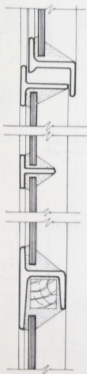


IDEAL

STANDARD WINDOWS, SECTION DETAILS HALF FULL SIZE



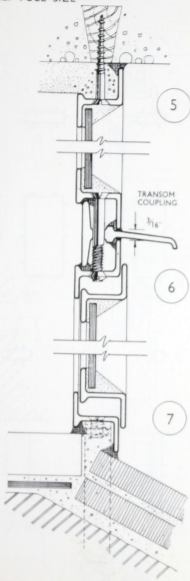
ZHDV58/5



8

9

10

SUB-LIGHT
BAR

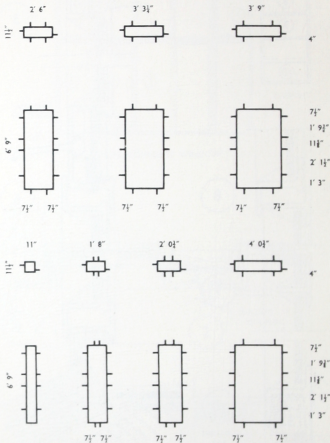
5

6

7

IDEAL

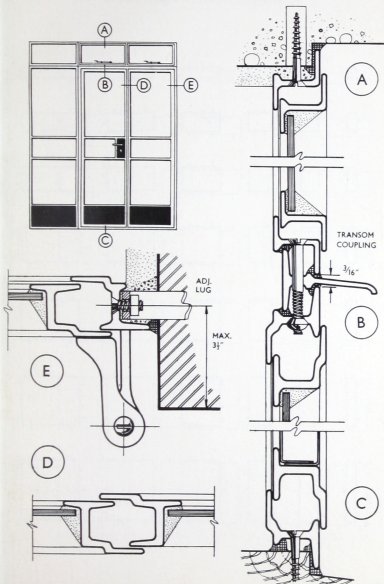
STANDARD DOORS, SIDELIGHTS & FANLIGHTS FIXING HOLE LOCATIONS



IDEAL

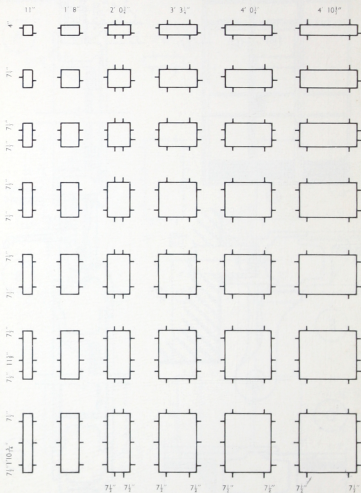
STANDARD DOORS, SIDELIGHTS & FANLIGHTS

SECTION DETAILS, HALF FULL SIZE



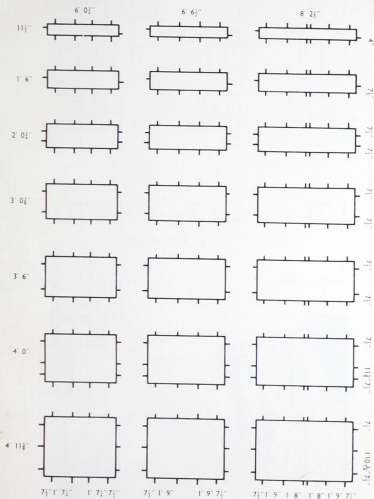
IDEAL

STANDARD WINDOWS FIXING HOLE LOCATIONS



IDEAL

STANDARD WINDOWS FIXING HOLE LOCATIONS



IDEAL

STANDARD AGRICULTURAL WINDOWS



AG1



AG2



AG4



AG5



AG6



AG7



AG8

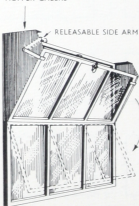


AG9

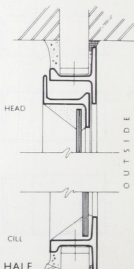


AG10

HOPPER CHEEKS



VENTILATOR CAN BE



IDEAL

INWARD OPENING WINDOWS

SEE ALSO GB TYPES IN STANDARD RANGES



ALSO AVAILABLE WITH SMALL PANES — OMIT "N"
AND HORIZONTAL BARS — SUFFIX "H" IN LIEU OF "N"

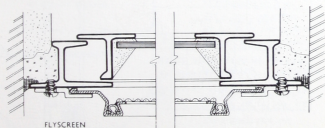
LARGER WINDOWS

(BOTTOM HUNG)



ALL FITTED WITH DETACHABLE FLYSCREENS
(IF REQUIRED)

AVAILABLE WITH GLAZING BARS AS ABOVE



HALF FULL SIZE

IDEAL

TUBULAR STEEL MULLIONS



HALF FULL SIZE



REF.	DIA.	CAPS & BASES
A	1 1/2"	4 1/2" DIA. x 1/2" CAST IRON — LOOSE
B	1 3/4"	
C	2 1/2"	
D	1 1/2"	4" x 4" x 1/2" STEEL WELDED
E	1 3/4"	
F	2 1/2"	6" x 6" x 1/2" STEEL WELDED
G	2"	

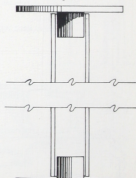
SAFE LOADS IN TONS

HEIGHT	A	B	C	D	E	F	G
UP TO 3' 0"	1.00	1.25	1.75	1.5	2.0	2.75	5.50
3' 0" - 4' 0"	0.75	1.17	1.50	1.25	1.75	2.5	4.75
4' 0" - 5' 0"	0.5	0.9	1.25	1.0	1.5	2.25	4.0
5' 0" - 6' 0"	0.2	0.6	1.0	0.75	1.0	2.0	3.25

CAPS & BASE

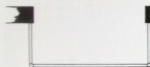
PLATES

1/2 F.S.

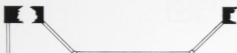


IDEAL

BAY AND ORIEL WINDOWS



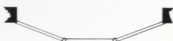
SQUARE



45° SPLAYED



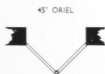
60° SPLAYED



20° SPLAYED



45° SPLAYED CORNER



45° ORIEL



45° SQUARE SPLAYED



CIRCULAR

IDEAL STANDARD
WINDOWS AND DOORS
OF ALL RANGES MAY
BE COMBINED TO FORM
BAY & ORIEL WINDOWS
OF ALL TYPES AND ANGLES.
THESE DIAGRAMS DEPICT
BUT A FEW OF THE
INNUMERABLE PERMUTATIONS.

—
SETTING-OUT DIMENSIONS
WILL GLADLY BE SUPPLIED
ON REQUEST FOR ANY
SPECIFIED ARRANGEMENT

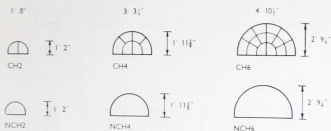
IDEAL

CURVED-ON-PLAN TYPE WINDOWS

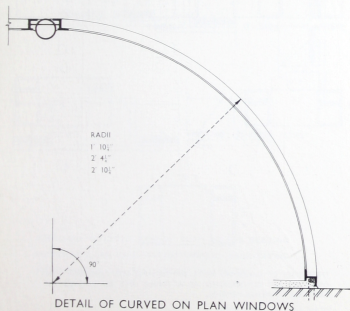


IDEAL

SEMI-CIRCULAR HEAD TYPE WINDOWS



BULL'S EYE TYPE WINDOWS



IDEAL

SOLID UNIT CONSTRUCTION



ZNC16



ZNC17



ZNC19



ZNC20



ZND16



ZND17



ZND19



ZND20



ZNDV16



ZNDV17



ZNDV19



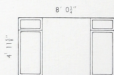
ZNDV20



ZNC21



ZND21



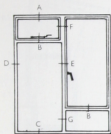
ZNDV21

THESE SIZES OF WINDOWS MEETS THE DEMAND FOR COMPOSITE TYPE WINDOWS BUT CONSTRUCTED AS A SINGLE UNIT ELIMINATING THE

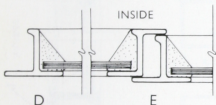
IDEAL

STANDARD WINDOWS FOR INSIDE GLAZING

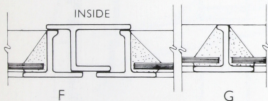
DETAILS, HALF FULL SIZE



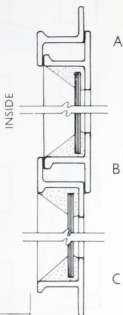
ZNDV2F S (1 G)



E



G



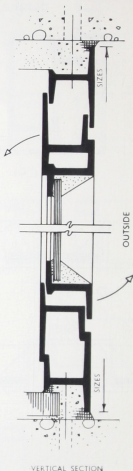
B

C

STANDARD WINDOWS CAN BE SUPPLIED FOR GLAZING INTERNALLY, AS ILLUSTRATED, THEREBY FACILITATING MAINTENANCE ON MULTI-STOREY BUILDINGS.

IDEAL

REVERSIBLE WINDOWS FOR MULTI-STOREY BUILDINGS



Fully reversible through 180°

Hot dip galvanised

REVERSIBLE WINDOWS FOR MULTI-STOREY BUILDINGS



Normal opening (as illustrated) approx 25°
Friction hinges retain firmly at any degree (0° - 180°)
Releasable stay and turnbuckle at head.
Two point handle at cill.
Gravity catch for retention in reversed position.
Ideal reversible windows can be coupled together.
Or with other types of standard metal windows.
Maintenance and glass replacements can be carried out
from within the building.

IDEAL

STANDARD WOOD SURROUNDS

Ideal Standard Wood Surrounds are manufactured in accordance with British Standard Specification 1285/1955.

Construction is ex 3" x 2" softwood heads, jambs and cills with alternative cills ex 5" x 2½" or ex 6" x 3", as required.

Surrounds can also be manufactured to architects' details and specifications.

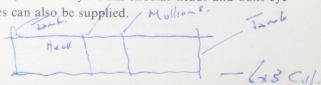
Cills can be supplied from hardwood, if so required, and all door thresholds are supplied in hardwood.

All members of the surrounds are double rebated to receive steel frames. Corners are morticed and tenoned and dowelled with special non-ferrous cruciform dowel pins. Frames are left with projecting horns at heads and cills eliminating the necessity for building-in lugs.

Tenons are treated with white lead paint prior to assembly and the frame finished in primer.

Wood frames can be made with wood mullions and transoms to take single steel units.

Bay window frames are available for circular, segmental, square, square splayed and angular Bays for 30°, 45°, or 60° Bays. Semi-circular heads and bulls-eye frames can also be supplied.

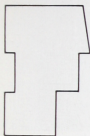


IDEAL

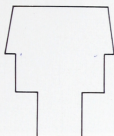
STANDARD WOOD SURROUNDS

EX 3" x 2"

HALF FULL SIZE PROFILES



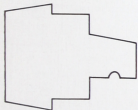
JAMB



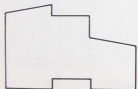
MULLION



HEAD



TRANSOM



CILL



EX. 6" x 3" CILL



ST. JUDES FLATS—BRISTOL

Architect: Albert H. Clarke, Esq., F.R.I.B.A., A.M.T.P.I.,
City Architect, Bristol



SHELL AND B.P. BUILDING, NAIROBI

Architects: Messrs. Cobb, Archer & Scammel

IDEAL

STANDARD INDUSTRIAL SASHES

Ideal Standard Industrial Sashes are manufactured to British Standard Specification 1787/1951. These Sashes are designed for use in Industrial Buildings and can be supplied as small pane types or, alternatively, horizontal bar types to suit architectural requirements.

All Sashes can be coupled together both horizontally and vertically, each coupling increasing the overall height or width of a complete unit by $\frac{1}{4}$ " above the aggregate unit sizes.

Industrial Sashes are constructed of $1\frac{3}{8}$ " hot rolled mild steel sections with mitred and welded corners and tenon rivetted glazing bars.

Opening lights are manufactured complete with their frames as separate units which are bedded into mastic and screwed into the fixed sash frames.

Horizontal Centre Hung opening lights are hung on brass pivots and fitted with a bronze spring catch for hand operation.

Bottom Hung ventilators are hung on corner hinges and fitted with a bronze spring catch and concealed side arms.

Standard Industrial Sashes are protected by Hot Dip Galvanising process, but when specially ordered can be in red oxide paint finish.

Apart from Standard Industrial Sashes, we are able to supply Sashes to special dimensions and design.

IDEAL

STANDARD INDUSTRIAL SASH



SSB21



SSB31



SSB41



SSB51



SS22



SS32



SS42



SS52



SS23



SS33



SS43



SS53



SS24



SS34



SS44



SS54



SS25



SS35



SS45



SS55



SS26



SS36



SS46



SS56

IDEAL

STANDARD INDUSTRIAL SASH

2' 2 1/2"



SSF21

3' 2 1/2"



SSF31

4' 3 1/2"



SSF41

5' 3 1/2"



SSF51

1' 0 1/2"



SSF22



SSF32



SSF42



SSF52

2' 2 1/2"



SSF23



SSF33



SSF43



SSF53

4' 0 1/2"



SSF24



SSF34



SSF44



SSF54

6' 3 1/2"



SSF25



SSF35



SSF45



SSF55

7' 9 1/2"



SSF26



SSF36



SSF46



SSF56

9' 4"

IDEAL

STANDARD INDUSTRIAL SASH



HSSB21



HSSB31



HSSB41



HSSB51



HSS22



HSS32



HSS42



HSS52



HSS23



HSS33



HSS43



HSS53



HSS24



HSS34



HSS44



HSS54



HSS25



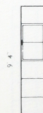
HSS35



HSS45



HSS55



HSS26



HSS36



HSS46



HSS56

IDEAL

STANDARD INDUSTRIAL SASH

2' 2 1/2"



HSSF21

3' 2 1/2"



HSSF31

4' 3 1/2"



HSSF41

5' 3 1/2"



HSSF51

1' 8"



HSSF22



HSSF32



HSSF42



HSSF52

3' 2 1/2"



HSSF23



HSSF33



HSSF43



HSSF53

4' 8"



HSSF24



HSSF34



HSSF44



HSSF54

6' 3 1/2"



HSSF25



HSSF35

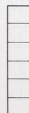


HSSF45

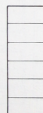


HSSF55

7' 9"



HSSF26



HSSF36



HSSF46



HSSF56

9' 4"

IDEAL

STANDARD INDUSTRIAL SASH



SH2



SH3



SH4



SH5



SSB22



SSB32



SSB42



SSB52



SSA25



SSA35



SSA45



SSA55



SSA26



SSA36



SSA46



SSA56

IDEAL

STANDARD INDUSTRIAL SASH

2' 2½"



HSH2

3' 2½"



HSH3

4' 3½"



HSH4

5' 3½"



HSH5

1' 8½"



HSSB22



HSSB32



HSSB42



HSSB52

3' 2½"



HSSA25



HSSA35

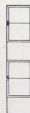


HSSA45

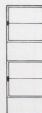


HSSA55

7' 9½"



HSSA26



HSSA36



HSSA46



HSSA56

9' 4"

IDEAL

STANDARD INDUSTRIAL SASH



SSE23



SSE33



SSE43



SSE53



SSE24



SSE34



SSE44



SSE54



SSE25



SSE35



SSE45



SSE55



SSE26



SSE36



SSE46



SSE56

IDEAL

STANDARD INDUSTRIAL SASH

2' 2 1/2"



HSSE23

3' 2 1/2"



HSSE33

4' 3 1/2"



HSSE43

5' 3 1/2"



HSSE53

4' 8 1/2"



HSSE24



HSSE34



HSSE44



HSSE54

6' 3 1/2"



HSSE25



HSSE35

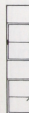


HSSE45

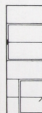


HSSE55

7' 9 1/2"



HSSE26



HSSE36



HSSE46



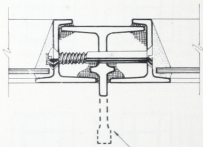
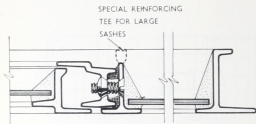
HSSE56

9' 4"

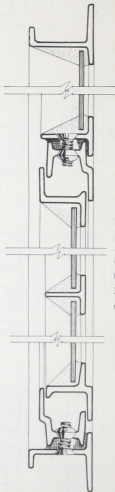
IDEAL

STANDARD INDUSTRIAL SASH

SECTION DETAILS, HALF FULL SIZE



EXTRA STRENGTH MULLION
FOR SASHES ABOVE 63 1/2" HIGH



OUTSIDE

IDEAL

STANDARD INDUSTRIAL SASH FIXING DETAILS, HALF FULL SIZE

1' 8 $\frac{1}{2}$ " E
+

2' 2 $\frac{1}{2}$ "



A B A

3' 2 $\frac{1}{2}$ "



A C A

4' 3 $\frac{1}{2}$ "



A D A

5' 3 $\frac{1}{2}$ "



A B C B A

3' 2 $\frac{1}{2}$ " E
+
F
+

4' 8 $\frac{1}{2}$ " E
+
G
+

6' 3 $\frac{1}{2}$ " E
+
G
+
F
+

7' 9 $\frac{1}{2}$ " E
+
G
+
G
+

9' 4" E
+
G
+
F
+
G
+

A = 7 $\frac{1}{8}$ "

B = 12 $\frac{1}{2}$ "

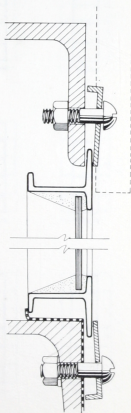
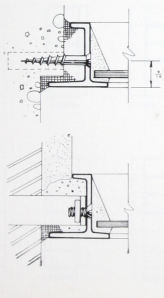
C = 2' 0 $\frac{1}{2}$ "

D = 3' 1 $\frac{1}{8}$ "

E = 10 $\frac{1}{8}$ "

F = 1' 6 $\frac{1}{4}$ "

G = 3' 0 $\frac{1}{2}$ "



IDEAL

STANDARD PROJECTED WINDOWS



PW23T

2' 2½"



PW23ZT

2' 8½"



PW24T



PW24TB



PW24ZT



PW24ZTB



PW25T



PW25TB



PW25ZT



PW25ZTB



PW26T



PW26TB



PW26ZT



PW26ZTB

IDEAL

STANDARD PROJECTED WINDOWS

3' 2 $\frac{1}{2}$ "

PW33T

3' 2 $\frac{1}{2}$ "

PW34T

4' 3 $\frac{1}{2}$ "

PW43T

4' 3 $\frac{1}{2}$ "

PW44T

4' 8 $\frac{1}{2}$ "

PW34T



PW34TB



PW44T



PW44TB

6' 3 $\frac{1}{2}$ "

PW35T



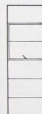
PW35TB



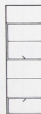
PW45T



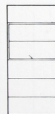
PW45TB

7' 9 $\frac{1}{2}$ "

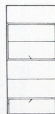
PW36T



PW36TB



PW46T



PW46TB

9' 4"

STANDARD PROJECTED WINDOWS

FIXED LIGHTS



PW23F



PW23ZF



PW33F



PW43F



PW24F



PW24ZF



PW34F



PW44F



PW25F



PW25ZF



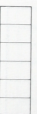
PW35F



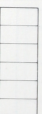
PW45F



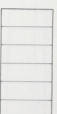
PW26F



PW26ZF



PW36F

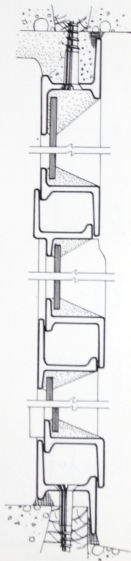
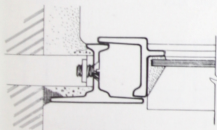
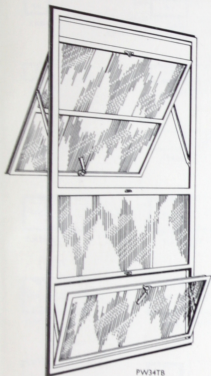


PW46F

IDEAL

STANDARD PROJECTED WINDOWS

DETAILS, HALF FULL SIZE



IDEAL

STANDARD SCHOOL TYPES



H — HOPPER
BH — BOTTOM HUNG
TH — TOP HUNG

SH — SIDE HUNG
HP — HORIZONTAL PIVOT
VP — VERTICAL PIVOT

IDEAL

STANDARD SCHOOL TYPES

"EA" TYPES ARE ALSO AVAILABLE WITH HORIZONTAL GLAZING BARS — E.G. HEA1, HEA23 ETC.

IF HORIZONTAL AND VERTICAL GLAZING BARS ARE REQUIRED, OMIT PREFIX LETTER, E.G. EA1, EA23 ETC.



NEA7



NEA8



NEA9



NEA13



NEA14



NEA15



NEA19



NEA20



NEA21



NEA25



NEA26



NEA27



NEA31



NEA32



NEA33



NEA37



NEA38



NEA39

STANDARD SCHOOL TYPES MAY BE COUPLED TO FORM ANY
REQUIRED COMBINATION

FOR OVERALL SIZES OF COMPOSITES CONSULT WORKS

PURPOSE MADE WINDOWS

Ideal Purpose Made windows, doors and screens are designed to meet the individual requirements of the architect and construction can be arranged in several alternative sections according to the fenestration required.

Glazing can be from inside or outside, putty glazed or beaded with steel, aluminium or wood bead.

Purpose Made windows can be supplied for hand or gear operation, and we would at all times be prepared to submit schemes based on the use of cable or shaft and lever gearing, hand or electrically operated.

The services of our Technical and Drawing Office staff are available at all times to provide assistance at the early design stage.

HOT DIP GALVANISING

The normal finish for steel windows and doors is galvanising by the Hot Dip Process.

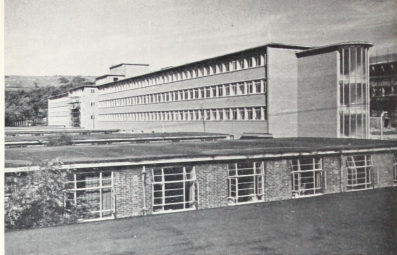
The Galvanising Plant of Ideal Casements (Reading) Limited is one of the largest and most modern installations in the country, with a monthly capacity of 2,500 tons.

In addition to galvanising our own output of windows we also process windows for thirty other manufacturers.

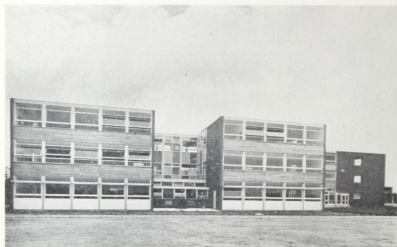
We also undertake General Galvanising, with particular emphasis on building components, and we welcome enquiries from Architects, Contractors and Local Authorities for carrying out their requirements in the field of Hot Dip Galvanising.



ROYAL LONDON HOUSE, BOURNEMOUTH
Architect: H. Bramhill, Esq., Dipl. Arch. (Liverpool), F.R.I.B.A.



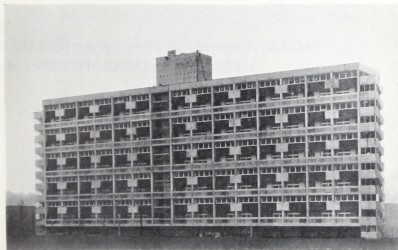
GOVERNMENT COMMUNICATIONS HEADQUARTERS,
OAKLEY FARM, CHELTENHAM
Chief Architect's Division, Ministry of Works, London



HARLOW PASSMORES SECONDARY SCHOOL
Architects: Messrs. Yorke, Rosenberg & Mardall in collaboration with
H. Conolly, Esq., C.B.E., F.R.I.B.A., Essex County Architect



PIONEER HOUSE, NAIROBI
 Architect: Imre Rozsa, Esq., A.R.I.B.A., Dip. Eng. (Brno)



BARTON HOUSE FLATS—BRISTOL
 Architect: Albert H. Clarke, Esq., F.R.I.B.A., A.M.P.T.I., City Architect,
 Bristol

PURPOSE-MADE WINDOWS TYPES AND SIZE LIMITS MEDIUM UNIVERSAL SECTIONS



SIDE HUNG OPEN OUT

MAXIMUM

HEIGHT — 6' 6"

WIDTH — 2' 6"



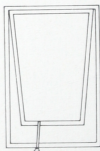
SIDE HUNG OPEN IN

MAXIMUM

HEIGHT — 6' 6"

WIDTH — 2' 6"

NOTE Types and size limits given here are for
LARGE UNIVERSAL SECTIONS, size

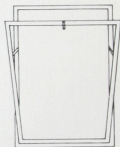


TOP HUNG OPEN OUT

MAXIMUM

HEIGHT — 5' 0"

WIDTH — 5' 0"



BOTTOM HUNG OPEN IN

MAXIMUM

HEIGHT — 5' 0"

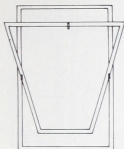
WIDTH — 5' 0"

IDEAL

PURPOSE-MADE WINDOWS

TYPES AND SIZE LIMITS

MEDIUM UNIVERSAL SECTIONS

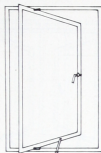


HORIZONTAL CENTRE HUNG

MAXIMUM

HEIGHT — 5' 0"

WIDTH — 5' 0"



VERTICAL PIVOT HUNG

MAXIMUM

HEIGHT — 6' 6"

WIDTH — 3' 9"

or MEDIUM UNIVERSAL SECTIONS. By employing
e limits may be proportionately increased

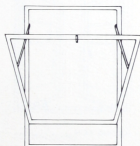


PROJECTED TOP HUNG

MAXIMUM

HEIGHT — 4' 0"

WIDTH — 4' 0"



PROJECTED BOTTOM HUNG

MAXIMUM

HEIGHT — 4' 0"

WIDTH — 4' 0"

PURPOSE-MADE WINDOWS

TYPES AND SIZE LIMITS

MEDIUM UNIVERSAL SECTIONS



FOLDING SIDE HUNG

MAXIMUM

HEIGHT — 6' 6"

WIDTH — 4' 6"



FOLDING SIDE HUNG

FIXED MEETING RAIL

MAXIMUM

HEIGHT — 6' 6"

WIDTH — 5' 0"



FOLDING V.C.H.

MAXIMUM

HEIGHT — 6' 0"

WIDTH — 6' 0"



FOLDING V.C.H.

FIXED MEETING RAIL

MAXIMUM

HEIGHT — 6' 0"

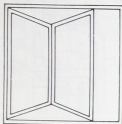
WIDTH — 7' 6"

IDEAL

PURPOSE-MADE WINDOWS

TYPES AND SIZE LIMITS

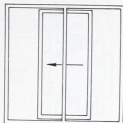
MEDIUM UNIVERSAL SECTIONS



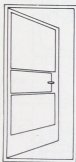
SLIDING — FOLDING

MAXIMUM

HEIGHT	— 8' 0"	} EACH LEAF
WIDTH	— 3' 0"	
O/A WIDTH	— 20' 0"	



HORIZONTAL SLIDING

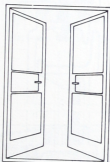


DOOR

OPEN OUT OR IN

MAXIMUM

HEIGHT	— 7' 6"
WIDTH	— 2' 6"



FOLDING DOORS

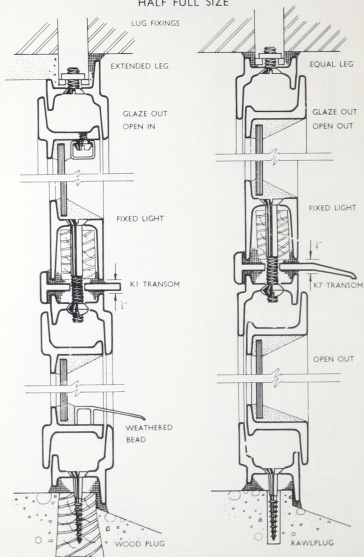
OPEN OUT OR IN

MAXIMUM

HEIGHT	— 7' 6"
WIDTH	— 5' 0"

PURPOSE-MADE WINDOWS

MEDIUM UNIVERSAL SECTIONS HALF FULL SIZE

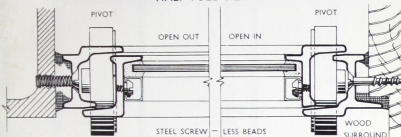


IDEAL

PURPOSE-MADE WINDOWS

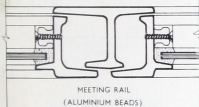
MEDIUM UNIVERSAL SECTIONS

HALF FULL SIZE

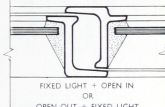


FIXING TO
STEELWORK.

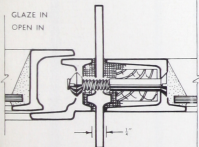
OPEN OUT



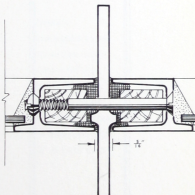
MEETING RAIL
(ALUMINIUM BEADS)



FIXED LIGHT + OPEN IN
OR
OPEN OUT + FIXED LIGHT
OR
MEETING STILES OF FOLDING



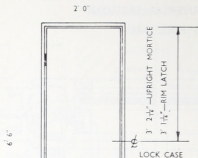
K3 MULLION



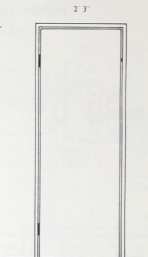
K4 MULLION

GLAZE IN
OPEN IN

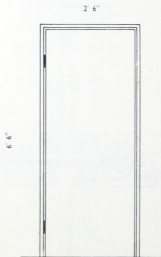
STANDARD STEEL DOOR FRAMES



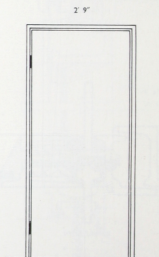
TYPE 24



TYPE 27



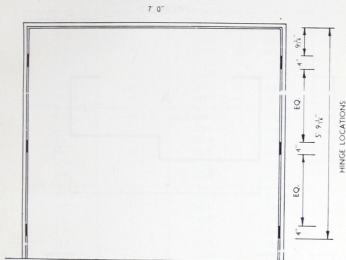
TYPE 30



TYPE 33

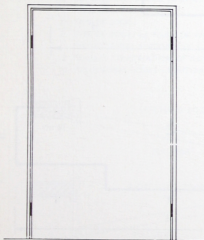
IDEAL

STANDARD STEEL DOOR FRAMES



TYPE 84

3' 10"



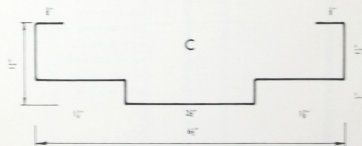
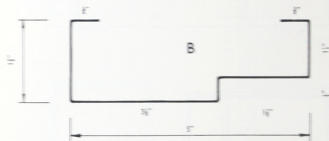
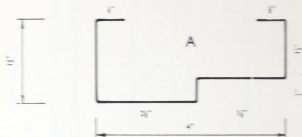
OVERALL
DIMENSIONS REFER
TO ACTUAL DOOR
SIZES — THE TYPE
NOTATION BEING THE
WIDTH IN INCHES.
WIDTHS INTO REBATES
OF JAMBS ARE PLUS
 $\frac{1}{16}$ " IN EACH CASE

TYPE 46

TIDEL

STANDARD STEEL DOOR FRAMES

PROFILES



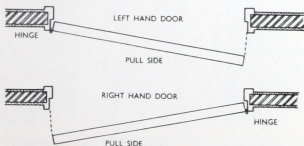
IDEAL

STANDARD STEEL DOOR FRAMES

WIDTH OF DOOR	PROFILE	EXTERNAL	INTERNAL
2' 0"	A	DEA24	DIA24
2' 3"	A	DEA27	DIA27
2' 6"	A	DEA30	DIA30
2' 9"	A	DEA33	DIA33
3' 10"	A	DEA46	DIA46
7' 0"	A	DEA84	DIA84
2' 0"	B	DEB24	DIB24
2' 3"	B	DEB27	DIB27
2' 6"	B	DEB30	DIB30
2' 9"	B	DEB33	DIB33
3' 10"	B	DEB46	DIB46
7' 0"	B	DEB84	DIB84
2' 0"	C	DEC24	DIC24
2' 3"	C	DEC27	DIC27
2' 6"	C	DEC30	DIC30
2' 9"	C	DEC33	DIC33
3' 10"	C	DEC46	DIC46
7' 0"	C	DEC84	DIC84

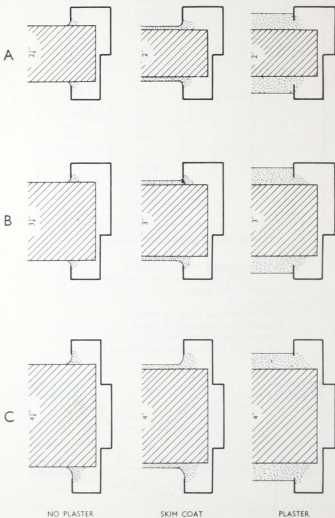
INFORMATION REQUIRED WHEN ORDERING

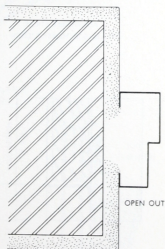
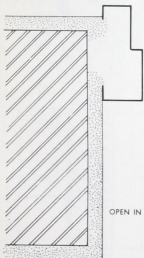
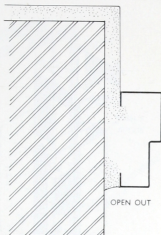
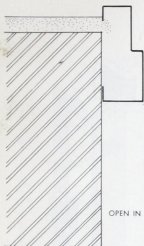
- A REFERENCE NUMBER FROM TABLE ABOVE
- B FOR EXTERNAL DOORS, WHETHER OPEN IN OR OUT
- C HANDING—(SEE BELOW)
- D TYPE OF LOCK
- E TYPE OF DOOR, e.g. FLUSH OR PANELLED
- F FINISHED TOTAL THICKNESS OF FLOOR
- G GENERAL CONSTRUCTION OF FLOOR
- H FOR FOLDING DOORS—POSITION & DETAILS OF BOLTS



STANDARD STEEL DOOR FRAMES

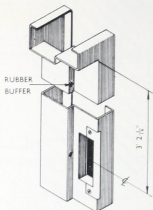
APPLICATION OF FRAMES TO WALLS



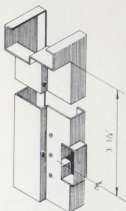
IDEAL**STANDARD STEEL DOOR FRAMES****APPLICATION TO EXTERNAL WALLS**

STANDARD STEEL DOOR FRAMES

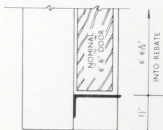
DETAILS



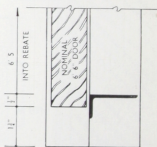
ADJUSTABLE STRIKE
PLATE FOR MORTICE LOCK



ADJUSTABLE STRIKE
PLATE FOR RIM LOCK



OPEN IN

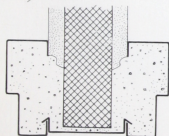
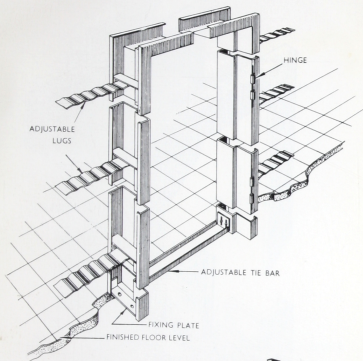


OPEN OUT

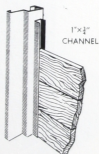
2" x 1" x 1/4" STEEL THRESHOLDS

STANDARD STEEL DOOR FRAMES

DETAILS



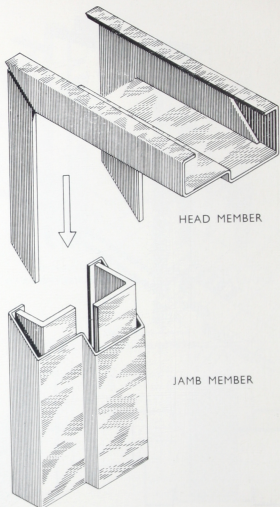
FILLER PLATE



COAL BOARD CHANNEL

STANDARD STEEL DOOR FRAMES

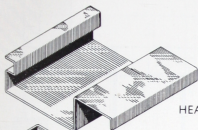
SECTIONAL OR "KNOCK-DOWN" TYPE



ALL OTHER DETAILS AS FOR WELDED TYPES

IDEAL

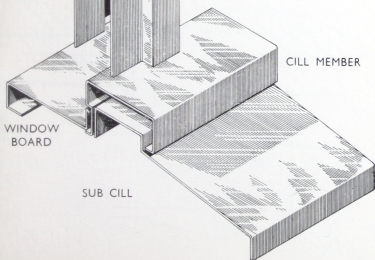
STANDARD CAVITY SUB-FRAMES



HEAD MEMBER



JAMB MEMBER



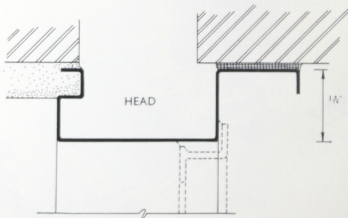
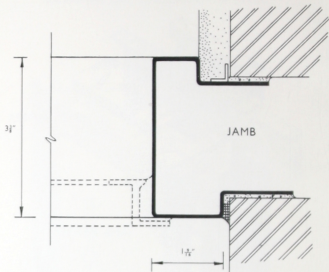
CILL MEMBER

WINDOW
BOARD

SUB CILL

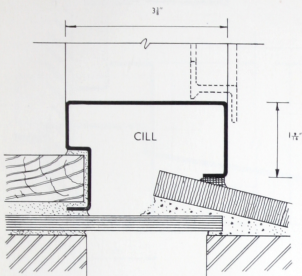
STANDARD SUB-FRAMES FOR CAVITY WALLS

DETAILS, HALF FULL SIZE

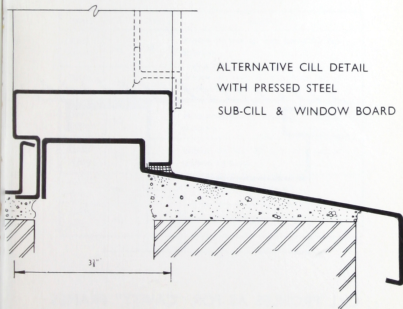


IDEAL

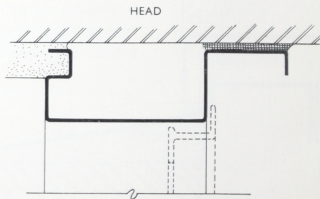
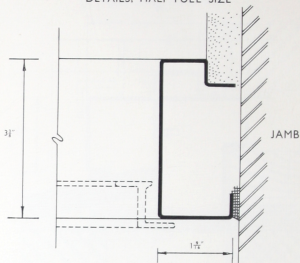
STANDARD SUB-FRAMES FOR CAVITY WALLS



ALTERNATIVE CILL DETAIL
WITH PRESSED STEEL
SUB-CILL & WINDOW BOARD



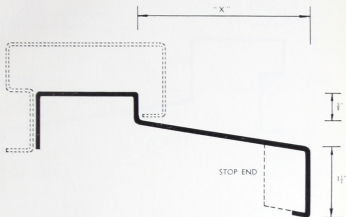
STANDARD SUB-FRAMES FOR SOLID WALLS DETAILS, HALF FULL SIZE



CILL PROFILES AS FOR "CAVITY" FRAMES

IDEAL

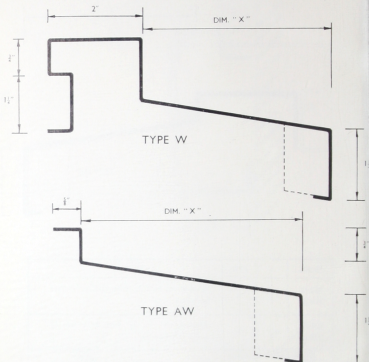
SUB CILLS FOR SUB-FRAMES DETAILS, HALF FULL SIZE



FIXING	"X"	TYPE	POSITION
SOLID WALL	$3\frac{5}{16}"$	SA	Window set back $2\frac{1}{4}"$ from face of fair face brickwork.
SOLID WALL	$4\frac{5}{16}"$	SB	Window set back $2\frac{1}{4}"$ from brick face of rendered brickwork.
SOLID WALL	$5\frac{3}{16}"$	SC	Window set back $3\frac{1}{8}"$ from face of fair face brickwork.
SOLID WALL	$6\frac{1}{16}"$	SD	Window set back $3\frac{1}{8}"$ from brick face of rendered brickwork.
CAVITY WALL	$5\frac{7}{16}"$	SE	For use with fair face cavity wall.
CAVITY WALL	$6\frac{7}{16}"$	SF	For use with rendered cavity wall.

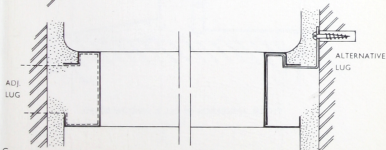
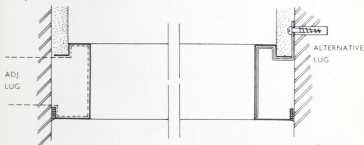
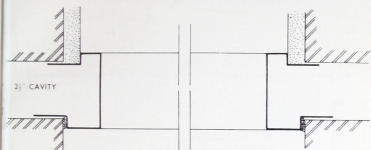
IDEAL

STANDARD STEEL WINDOW CILLS DETAILS, HALF FULL SIZE



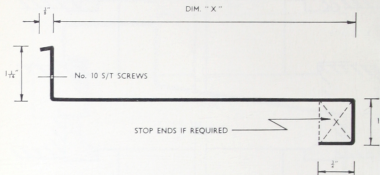
"X"	PREFIX "W" OR "AW"	POSITION
2 1/8"	A	Window set back 2 1/8" from face of fair face brickwork.
3 1/8"	B	Window set back 2 1/8" from brick face of rendered brickwork.
4 3/16"	C	Window set back 3 1/8" from face of fair face brickwork.
5 3/16"	D	Window set back 3 1/8" from brick face of rendered brickwork.

STANDARD SUB-FRAMES—FIXING

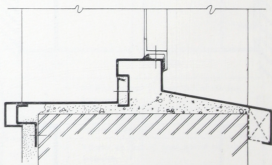


IDEAL

STANDARD STEEL WINDOW BOARDS



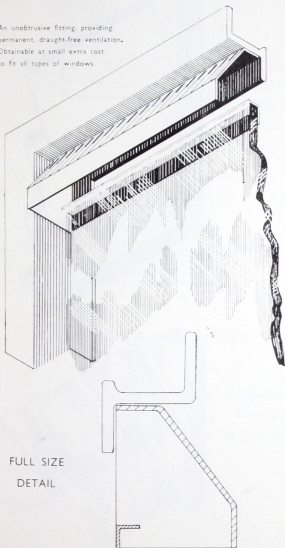
TYPE	B1	DIM. "X"	=	8 ⁷ / ₁₆ "
"	B2	" "	=	6 ¹¹ / ₁₆ "
"	B3	" "	=	6 ⁷ / ₁₆ "
"	B4	" "	=	5 ⁵ / ₁₆ "
"	B5	" "	=	4 ¹¹ / ₁₆ "
"	B6	" "	=	4 ¹¹ / ₁₆ "
"	B7	" "	=	3 ⁷ / ₁₆ "



TYPICAL APPLICATION OF CILL & WINDOW BOARD

PRESSED STEEL VENTILATING HOODS

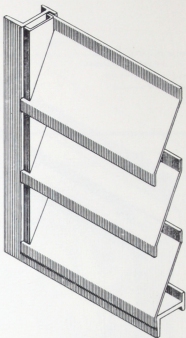
An unobtrusive fitting, providing permanent, draught-free ventilation. Obtainable at small extra cost to fit all types of windows.



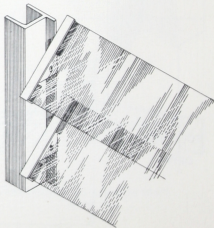
IDEAL

LOUVRES

PRESSED
STEEL
LOUVRES

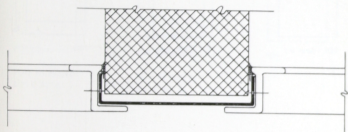
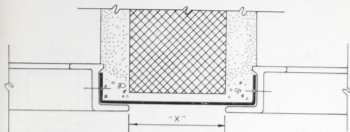


GLASS
LOUVRES



IDEAL

PRESSED STEEL PLATE MULLIONS



AVAILABLE TO SUIT ALL THICKNESSES
OF PARTITIONS

WHEN ORDERING PLEASE STATE EITHER

1. THICKNESS OF BLOCK AND WHETHER TO BE PLASTERED
- OR 2. OVERALL THICKNESS OF PARTITION
- OR 3. DIMENSION "X"

IDEAL

STANDARD PRESSED STEEL DOORS

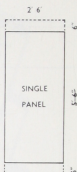
DIMENSIONS DOOR SIZES



PD1 (Open in)



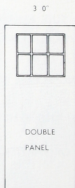
PD2 (Open out)



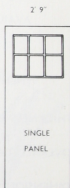
PD3



PD4 (Open in)



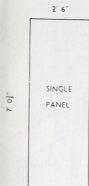
PD5 (Open in)



PD6 (Open in)

STANDARD PRESSED STEEL DOORS

DIMENSIONS = DOOR SIZES



PD7 (Open out)

PD13 AS ABOVE
BUT 6' 8½" h.

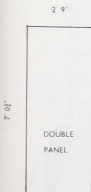


PD8 (Open out)

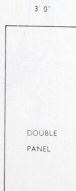
PD14 AS ABOVE
BUT 6' 8½" h.



PD9



PD10



PD11



PD12

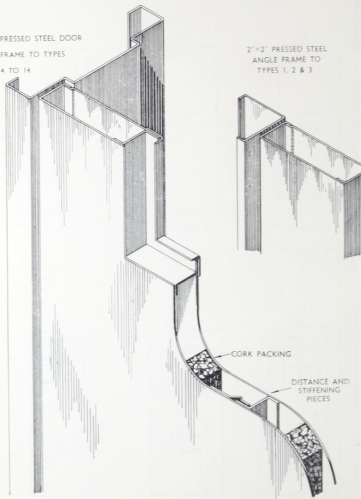
IDEAL

STANDARD PRESSED STEEL DOORS

PRESSED STEEL DOOR
FRAME TO TYPES

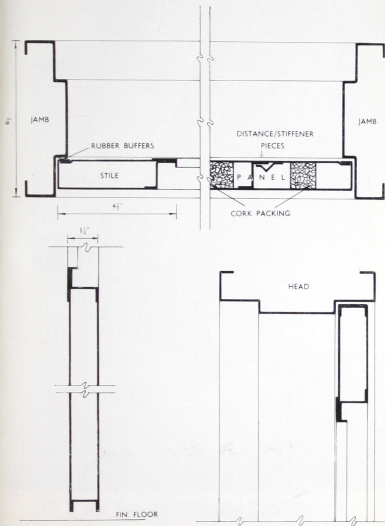
4 TO 14

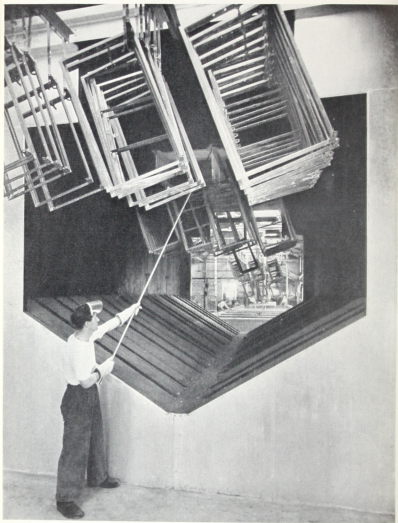
2" x 2" PRESSED STEEL
ANGLE FRAME TO
TYPES 1, 2 & 3



IDEAL

STANDARD PRESSED STEEL DOORS DETAILS





View through drying oven in Galvanising Plant

PRESSED STEEL PRODUCTS

Ideal Standard Pressed Steel sub-frames are manufactured in accordance with British Standard Specification No. 1422/1956, and are supplied for use with solid wall construction or cavity walls.

The sub-frame itself serves as a template for the window opening and provides a rigid support for flat brick arches.

We recommend that frames over 3' 3½" in width should have additional reinforcement at the head. Frames are produced from 16G steel sheet, fully welded at all four corners with fixing holes to correspond with those in Standard Metal Windows.

All Sub-frames are prepared to receive sub-cills and windowboards.

Pressed Steel sub-cills for use in conjunction with sub-frames are readily available constructed from 14G steel sheet and in addition a full range of Pressed Steel Cills for use without sub-frames are offered.

Pressed Steel windowboards from 18G steel sheet are also available.

Ideal Standard Pressed Steel door frames are produced in accordance with British Standard Specification 1245/1951.

Door frames are constructed from either 16G or 18G mild steel sheet and are suitable for doors up to 2" nominal thickness. It is essential that the thickness of the door be mentioned at the time of ordering.

Door frames are available in three profiles—A, B or C, as illustrated, and doors can be hung either right hand or left hand to open inwards or outwards.

Door frames supplied for use in the United Kingdom are welded and cleaned off at Works as a fully fabricated frame, prior to site delivery.

Door frames for Export are manufactured in a knocked-down construction for assembly on site without the use of screws or welding. In all cases base ties are supplied to ensure the correct positioning of the frames whilst building-in.

Internal door frames are supplied Paint finish. External frames are Hot Dip Galvanised before despatch.

In addition to the Standard components mentioned above we are able to offer sheet metal products to architects' special requirements and we invite enquiries.

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View of Machine Shop



Part of "Ideal" transport fleet

